



wherein said probe is an oligonucleotide probe attached to the surface of a glass substrate.

H 1

15. (Amended) A method as recited in claim 6, wherein said probe and target are heated to a temperature that is lower than their standard hybridization temperature.

16. (Amended) A method as recited in claim 6, further comprising adding said chemical compound to a solution prior to heating step (a).

H 15

15. (Amended) A method that allows a probe on a micro array surface to hybridize to a target at a temperature lower than their standard hybridization temperature, comprising:

(a) heating the probe and target in the presence of a chemical component of the formula:
$$R(NH_2)C=O$$
where R is an amino or a methyl group; and

(b) allowing the probe and target to hybridize,
wherein said probe is an oligonucleotide probe attached to the surface of a glass substrate.

H 15

16. (Amended) A method as recited in claim 15, wherein said probe and target are heated to a temperature that is lower than their standard hybridization temperature.

17. (Amended) A method as recited in claim 15, further comprising adding said chemical compound to a solution prior to heating step (a).

H 3

18. (New) A method as recited in claim 6, wherein said chemical component is urea.

19. (New) A method as recited in claim 6, wherein said chemical component is acetamide.